

Math Connects: Concepts, Skills, and Problem Solving, Course 2, KY Edition

Math Connects: Concepts, Skills, and Problem Solving was written by the authorship team with the end results in mind. They looked at the content needed to be successful in Geometry and Algebra and backmapped the development of mathematical content, concepts, and procedures to PreK to ensure a solid foundation and seamless transition from grade level to grade level. The series is organized around the new NCTM Focal Points and is designed to meet most state standards. Math Connects focuses on three key areas of vocabulary to build mathematical literacy, intervention options aligned to RtI, and a comprehensive assessment system of diagnostic, formative, and summative assessments. This program ensures complete and in-depth coverage of the Kentucky Combined Curriculum, including the Program of Studies and the Related Core Content for Assessment, by providing a pacing guide, correlations, Countdown to the KCCT, and standards written out at point of use in each lesson.

Multiple Teacher Editions listed on Teacher Edition Worksheet

Teacher Edition	
0078804841	\$75.00
Math Connects: Concepts, Skills, and Problem Solving, Course 2, KY Edition	
0078882664	\$75.00
Math Connects: Concepts, Skills, and Problem Solving, Course 2, KY Edition	
Essential Items	
Ancillary Items	
Free with Purchase items	
0078746450	Scanner
Free Per School (Ratio 1 free Per 250 Student Editions Purchased): Print Option Only (NOT AVAILABLE)	
0078746493	Turning Point Response Technology System & Software
Hardware Choice: Choose 1 of 4 Options Per Teacher (0078746493 or 0078762324 or 0078885310 or 0078756448)	
0078756448	Interactive Whiteboard System & Software
Hardware Choice: Choose 1 of 4 Options Per Teacher (0078746493 or 0078762324 or 0078885310 or 0078762324)	
0078762324	Laptop
Hardware Choice: Choose 1 of 4 Options Per Teacher (0078746493 or 0078762324 or 0078885310 or 0078766036)	
0078766036	Graphing Calculator Easy Files CD-ROM
Free Per Teacher, Print Option Only	
0078773172	ELL Strategies for the Mathematics Classroom
Free Per Teacher, Print Option Only	
0078782945	Graphic Novels
Free Per Teacher, Print Option Only	
0078788447	Implementation Module Gr 6-8 CD-ROM
Free per School, Tech Option Only	
0078788935	Skills Maintenance Workbook
Choice A: Choose 2 of 3 items per student, Print Option Only	
0078788943	Skills Maintenance Workbook, Teacher Edition
Free Per Teacher, Print Option Only	
0078788978	Real-World Investigations for Differentiated Instruction
Free Per Teacher, Print Option Only	
0078795818	Teacher Classroom Resources
Free per Teacher, Print Option Only & Free Per School, Tech Option Only	
0078805538	ExamView® Assessment Suite CD-ROM
Free Per Teacher, Print & Tech Option	
0078805589	Interactive Classroom CD-ROM
Free Per Teacher, Print & Tech Option	
0078807441	Super DVD
Free Per Teacher, Print & Tech Option	
0078810531	Skills Practice Workbook
Choice B: Choose 1 of 3 items per student, Print Option Only (1st year of adoption, subsequent years)	
0078810558	Word Problem Practice Workbook

ISBN**0078804833**Contract Price

\$59.70

Grade

7

TYPE

P1

Copyright

2010

Author

Bailey, et al

Edition

1

Content

7th Grade Math

Readability

840 Lexile

Accessibility

Nimas

Research

www.glencoe.com

Math Connects: Concepts, Skills, and Problem Solving, Course 2, KY Edition

Choice B: Choose 1 of 3 items per student, Print Option Only (1st year of adoption, subsequent years

0078810574 Skills Practice Workbook, Spanish \$3.99

Free Per School, Print Option Only

0078810582 Study Guide & Intervention Workbook, Spanish \$3.99

Free Per School, Print Option Only

0078810590 Word Problem Practice Workbook, Spanish \$3.99

Free Per School, Print Option Only

0078810604 Practice Workbook, Spanish \$3.99

Free Per School, Print Option Only

0078810612 Spanish Assessment Masters \$19.50

Free Per School, Print Option Only

0078810620 Noteables: Interactive Study Notebook with Foldables, Teacher \$28.50

Free Per Teacher, Print Option Only

0078885310 Projector

Hardware Choice: Choose 1 of 4 Options Per Teacher (0078746493 or 0078762324 or 0078885310 or

0078885434 AssignmentWorks™ CD-ROM \$49.98

Free Per Teacher, Print & Tech Option

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

Provided by the Publisher	ISBN 0078804833		Publisher - Glencoe/McGraw-Hill	
	Math Connects: Concepts, Skills, and Problem Solving, Course 2, KY Edition			
	Type - P1	Author - Bailey, et al		
	Copyright - 2010	Edition - 1	Readability - 840 Lexile	
	Course - 7th Grade Math		Grade(s) - 7	
Teacher Edition ISBN if applicable0078804841				

Overall Recommendation:

Recommended as BASAL

Overall Strengths, Weaknesses, Comments:

if this box is not checked, the evaluators have
chosen NOT recommend as basal

Caution: Maybe considered a little more advanced than a regular 7th grade textbook. This textbook does seem to skip teaching basic concepts (perhaps assuming the learner has already mastered such concepts) and moves into higher level skills more quickly than some 7th grade students would be able to. Might require careful planning for all 7th graders' use.

NIMAC Accessibility N
Ancillary No
Free with Purchase Yes
Research Yes www.glencoe.com

Math Connects: Concepts, Skills, and Problem Solving was written by the authorship team with the end results in mind. They looked at the content needed to be successful in Geometry and Algebra and backmapped the development of mathematical content, concepts, and procedures to PreK to ensure a solid foundation and seamless transition from grade level to grade level. The series is organized around the new NCTM Focal Points and is designed to meet most state standards. Math Connects focuses on three key areas of vocabulary to build mathematical literacy, intervention options aligned to RtI, and a comprehensive assessment system of diagnostic, formative, and summative assessments. This program ensures complete and in-depth coverage of the Kentucky Combined Curriculum, including the Program of Studies and the Related Core Content for Assessment, by providing a pacing guide, correlations, Countdown to the KCCT, and standards written out at point of use in each lesson.

CRITERIA

This basal resource ...

A. Encompasses KY Content Standards & Grade Level Expectations Moderate Evidence

Text is designed to be used in an elective course outside the Program of Studies

1) Includes the 5 Big Ideas of mathematics to the following extent:

- | | |
|--|-----------------------|
| a) Number Properties and Operations | Strong Evidence |
| b) Measurement | Little or No Evidence |
| c) Geometry | Moderate Evidence |

d) Data Analysis and Probability	Moderate Evidence
e) Algebraic Thinking	Strong Evidence
2) Addresses content-specific enduring understandings from the related Program of Studies standards.	Strong Evidence
3) Addresses content-specific skills and concepts from the related Program of Studies standards.	Moderate Evidence
4) Content addressed is current, relevant and non-trivial	Strong Evidence
5) Provides opportunities for critical thinking/reasoning	Strong Evidence
6) Strengths, Weaknesses, Comments: <ul style="list-style-type: none"> • Specific strengths-which areas/concepts are covered exceptionally well? • Specific weaknesses-which areas/concepts would likely require supplementing? <p>The authors must assume that 7th grade students have mastered concepts like reading rulers to the nearest 8th of an inch, measuring with protractors, basic geometric terms, etc. because these skills are located in the back of the text in the Concept Skills Bank. The LA Looking Ahead section was difficult to find as a resource for the box-and-whisker plots.</p> <p>This textbook seems to be written for a more advanced 7th grade student. There is a great deal of higher skills and concepts taught, with some basic skills not reintroduced, that might hinder lower level or on level 7th grade students.</p> <p>HOT Problems and Differentiated Instructional Strategies are well put together. DOK levels being identified are a valuable asset. Students also have the ability to look back at appropriate sections due to the text identifying this on the practice test section of the textbook.</p>	

B. Functionality & Suitability	Strong Evidence
1) Suitability	Moderate Evidence
<ul style="list-style-type: none"> • Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind. 	
2) Content quality	Strong Evidence
<ul style="list-style-type: none"> • Free from factual errors • Content is presented conceptually when possible—more than a mere collection of facts • Content included accurately represents the knowledge base of the discipline • Theories/scientific models contained represent a broad consensus of the scientific community • Interconnections among mathematical topics 	
3) Connections to Literacy	Strong Evidence
<ul style="list-style-type: none"> • Employs a variety of reading levels and is grade/level appropriate • Use of multiple representations-concrete, visual/spatial, graphs, charts, etc. • Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles. • Student text provides opportunity to integrate reading and writing • Uses vocabulary that is age and content appropriate • Focuses on critical vocabulary vs. extensive lists 	

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

- Identifies key vocabulary through definitions in both text and glossary
 - The text is engaging and facilitates learning
 - Embedded activities enhance the understanding of the text
- Note: may apply to either student or teacher editions*

4) Connections to Technology

Strong Evidence

- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data
- Embeds web links as a mathematics resource.

5) Support for Diverse Learners

Strong Evidence

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties

Note: may apply to either student or teacher editions

6) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Strength: Connections on content specific skills with the graphing calculator;
The pictures do not well represent all cultures.

C. Supports Inquiry and Skill Development

Strong Evidence

1) Promotes Inquiry, research and Application of Learning

Strong Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.

Note: may apply to either teacher or student edition

2) Skill Development

Strong Evidence

- Provides opportunities to make sense of all mathematics
-

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

[Click here to enter text.](#)

D. Supports Best Practices of Teaching and Learning

Strong Evidence

1) Engages Students

Strong Evidence

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated

Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction

Strong Evidence

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

We would like to see performance assessments utilized as another way of assessment; the supplemental materials do offer various test forms for differentiated instruction.

E. Has an Organization/ Format that Supports Learning and Teaching

Moderate Evidence

1) Organizational Quality

Moderate Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
 - Presents chapters/lessons in an organized and logical sequence
-

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text)

Little or No Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

There were no essential components available with the textbook purchase; the textbook was organized in a manner that was sometimes difficult to follow. Some concepts were placed right in the middle of another chapter making it difficult to find at times.

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Strong Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

2) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Strengths: Comic strip book, note-taking resource book, work problem workbook, study guide and intervention books, etc are valuable resources. All would greatly enhance the textbook.
